

A motorised mechanism to reveal a display from the ceiling. This version hinges down by 90 degrees, telescopes the display further down from the ceiling and then swivels up to 180 degrees in both directions.

The size reference for this version is CHRST8-RES.

The mechanism is fixed in place before the ceiling is finished. Supplied with MDF plaster edging to neatly plaster into ceiling.

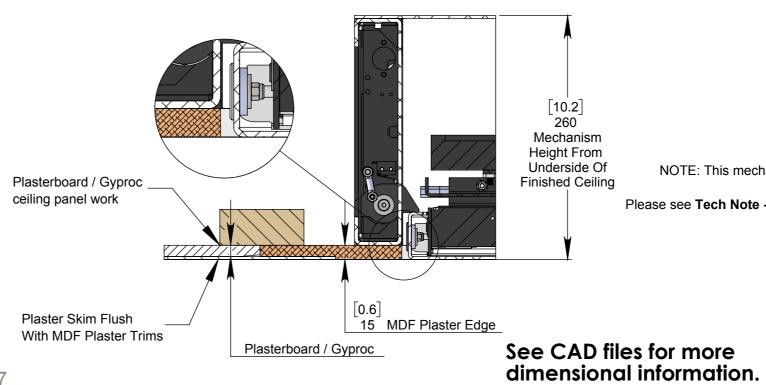
The control system can be operated via infra-red, RS232 or contact closure

Speakers can be added with the use of standard speaker mount brackets. (If required please specify during ordering process.)

See overview technical sheet for details on other products in the range.

Model Code	CHRST8-RES
Max Screen Size	1980mm [78.0] x 1110mm [43.7.7] x 150mm [5.9]
Max Screen Weight	170kg [374lbs]
Approx Mechanism Weight	225kg [495lbs]
Environment	Residential
Colour	WHITE - RAL9910 Satin Finish
Control System	Accessible by internal access hatch
Ceiling Void Required For Fitting	2474 [97.4] W x 1665 [65.6] L x 260 [10.2] D

RESIDENTIAL MDF PLASTER EDGE



NOTE: This mechanism is not designed to accomodate aditional panelwork on the main hinging tray.

Please see Tech Note - CHR-RES-AP Addon Panel Technical Note for more information.



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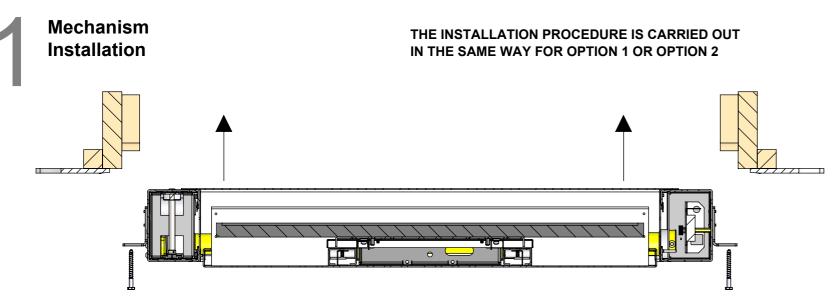
VIEW FROM BELOW OPTION 1 - FIXING TO WOODEN BEAMS [1.6] 40 LOAD BEARING **Mounting Joist Width** [13.8 ±1.0] 350 ±25 97.4 0.0 +5 2474 0 72.8 1850 Plasterboard [8.9] 226 100.2 / Gyproc Opening 2544 Plasterboard [69.8 ±0.2] / Gyproc 260 1772 ±5 Opening [3.5 min.] 89 min. CABLE ROUTING HOLE 32 [1.3] MIN (BOTH SIDES) SIDE BATTEN [3.9 min.] [2.0 max.] FOR PLASTERBOARD 50 max. 100 min. / GYPROC FIXING 12.5 [0.5] PLASTERBOARD/ GYPROC STRUCTURAL CEILING JOIST **BORDER** ADDITIONAL MOUNTING **BLOCK SECTION A:A REAR MECHANISM BATTEN** 15 [0.6] MDF PLASTER EDGE TRIMS (SUPPLIED) [2.6 min.] [1.5 min.] 65 min. 38 min. MDF PLASTER EDGE TRIM 3 [0.1] FINISHED CEILING PLASTER SKIM M6 x 16MM SS POZI BOLT (SUPPLIED) PLASTERBOARD / GYPROC

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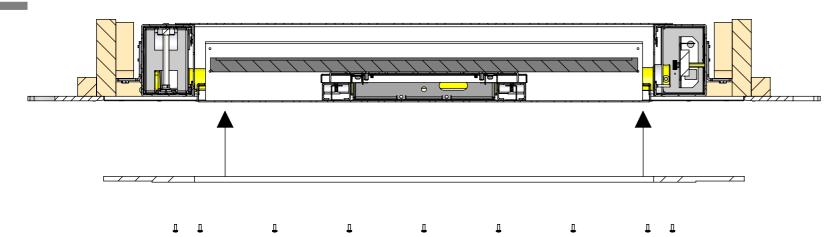
SHEET 3 of 6

VIEW FROM BELOW OPTION 2 - SUSPENDING FROM CEILING STRUCTURE ABOVE TIMBER FRAME TO SUPPORT PLASTERBOARD / GYPROC AND MDF PLASTER EDGE JOINT REPRESENTATIVE CEILING FABRIC SUPPORT STRUCTURE Opening Width 97.4 0.0 [72.8] 1850 2474 0 Plasterboard 2544 / Gyproc Opening Plasterboard 226 / Gyproc Opening Opening Depth 69.8 ±0.2 1772 ±5 [3.0 min.] 75 min. ALLOW FOR CABLES TO BE ROUTED INTO MECHANISM [3.9 min.] IN THIS AREA (BOTH SIDES) CONCRETE / METAL FLOOR 100 min STRUCTURE 12.5 [0.5] PLASTERBOARD/ GYPROC **BORDER** UPTO 12 [0.5] THREADED ROD **MECHANISM** 15 [0.6] MDF PLASTER EDGE TRIMS (SUPPLIED) MOUNTING BRACKET CAN BE ROTATED TO SUIT INSTALLATION M6 x 16mm SS POZI BOLT (SUPPLIED) **SECTION B:B SCALE 1:3** SUSPENDED PLATSERBOARD / GYPROC CEILING 3 [0.1] FINISHED CEILING PLASTER SKIM ADDITIONAL TIMBER FRAMEWORK AROUND OPENING www.futureautomation.net tel: +1 (603) 742 9181 MDF PLASTER EDGE TRIMS (SUPPLIED) tel: +44 (0) 1438 833 577 UK www.futureautomation.co.uk moving audio visual solutions

INSTALLATION PROCEDURE

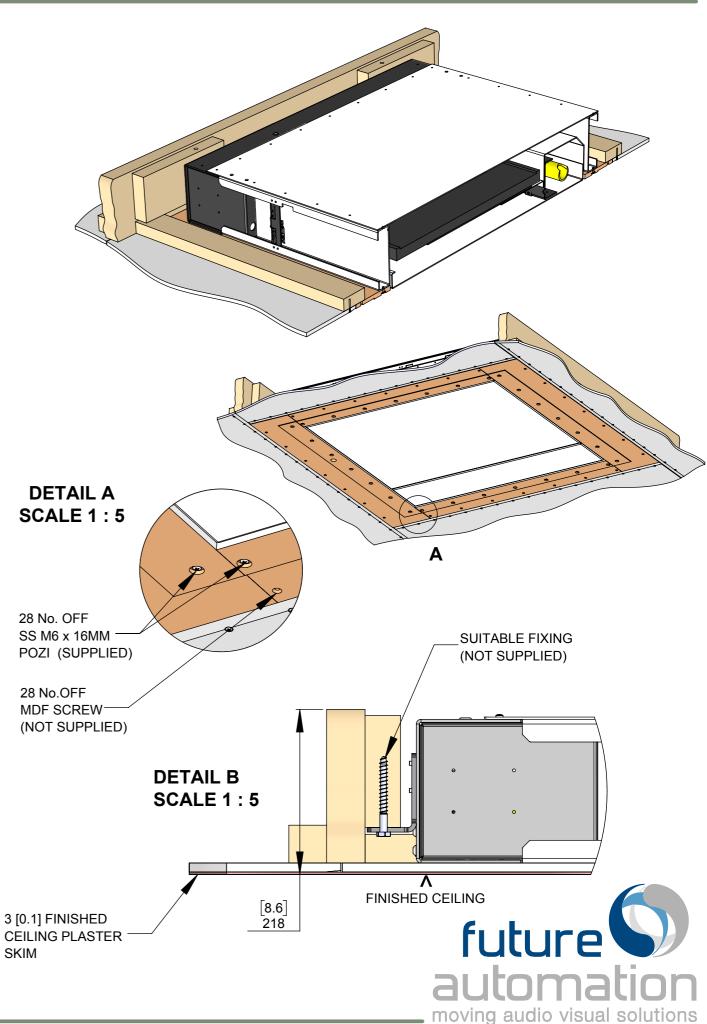


MDF Plaster Trim Installation



3 Plastering B

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[2.4]

7.1

180

[16.1]

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AV Signal Cables / Mechanism Control Cables **CEILING PREPERATION** Power Cable for Mechanism and AV **Ensure Cables can be routed** to / through ceiling joist / ceiling structure at these points into mechanism. Cable Routing Cables for the screen can be routed in from both sides, allowing for power and signal cables to be separated when entering the mechanism. **Ensure there are** The opening on both sides is no obstructions around MIN. 32mm [1.3"] in diameter the power outlet mounting allowing for multiple cables to plate, between the mechanism be routed to the screen. and the mounting joist / ceiling structure A power outlet mounting plate is supplied in the right hand gearbox allowing for UK and US power outlets to be wired directly into the mechanism. **VIEWING SIDE** [1.3] Ø32 [2.4] ີ60 (Dimensions shown from rear of mechanism and underside of ceiling finish) **UK 2G Mains** 2 No. US J-Box Plasterboard Back Box

CHRST8-RES Residential Ceiling Hinge With Swivel and Telescope

